

Notice of Allowability	Application No.	Applicant(s)	
	09/678,451	TANAKA, NOBUYUKI	
	Examiner	Art Unit	
	Shervin Nakhjavan	2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE received 10-21-04.
2. ☒ The allowed claim(s) is/are 1-6 and 8.
3. ☒ The drawings filed on 10-3-2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|--|--|

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: claims 1-6 and 8 are allowed because, the prior art of record specifically Yoshida et al. (US 6,449,378) does not teach, electronic watermark data table for storing first to j-th electronic watermark data, each of which having *two values* depending on the magnitude of a movement, one value corresponding to *low movement* and the other corresponding to *high movement*, when the movement value is compared with a *threshold value* and said movement is based on generation amount from a DCT converter for each picture type and further selecting an electronic watermark data of one type according to a picture type and said movement, and an electronic watermark data selector for selecting an electronic watermark data of one type *according to said picture type and said movement* and an electronic watermark inserter for inserting the watermark data with a *suitable strength* according to *the magnitude* of said movement of claims 1, 3, 4 and 8 combined with other feature and elements of the claims; and movement decision means deciding the magnitude of a movement of original image based on *difference* of the number between the *DCT coefficients output from said DCT conversion* step and the *DCT coefficients of the previous frame* that was *pre-retained*, and *second multiplier* for subjecting said *selected electronic watermark* selected from the *different types*, to multiplication according to the *magnitude of the movement* obtained based on the difference between said DCT coefficients and inserting the watermark into the image data *after* the second multiplication of claims 2 and 5, combined with other features and elements of the claims.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Other prior art cited

2. Prior art of record cited and not relied upon is considered pertinent to applicant's disclosure.

The US Patent 6,404,926; US Patent 6,359,999; US Patent 6,341,350; US Patent 6,310,962; US Patent 6,285,775; US Patent 6,222,932 and US Patent 5,778,102 variously teach electronic image watermarking related to applicant's invention as claimed.

Contact information

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shervin Nakhjavan whose telephone number is (703) 306-5916. The examiner can normally be reached on Monday through Friday from 8:00 am to 5:30 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bhavesh Mehta, can be reached at (703)308-5246.

Any response to this action should be mailed to:

Assistant Commissioner for Patents
Washington, DC 20231

Or faxed to:

(703) 872-9306 for *formal* communications, please mark "**EXPEDITED PROCEDURE**"

or:

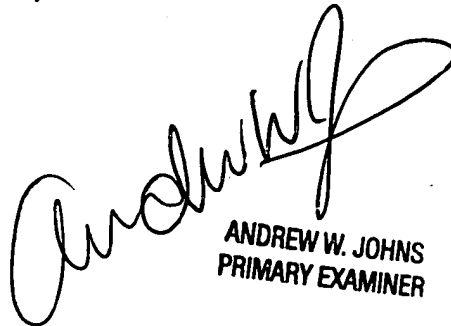
for *informal* or *draft* communications; please label "**PROPOSED**" or "**DRAFT**".

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Hand delivered responses should be brought to Crystal Park 2, 2121 Crystal drive, Arlington, VA, sixth floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application should be directed to the Tech center 2700 customer service office **(703) 306-0377**.

Shervin Nakhjavan S.N
Patent Examiner
Group Art Unit 2621
February 18, 2005.



ANDREW W. JOHNS
PRIMARY EXAMINER